Grade 5 Vocabulary/ Representation			
Vocabulary	Description	Representation	
Equation	Statement that two mathematical expressions have the same value, indicated by use of the symbol.	12 = 4 x 2 + 4	
Place Value Chart	The value of a number according to the place it holds.	Hundreds Tens Ones	
Exponents	How many times a number is to be used in a multiplication sentence.	Exponent (index or power)  Base 6 x 6 x 6  Shorthand way of representation (Base multiplied exponent number of times)	
Area Models	A model for multiplication problems, in which the length and width of a rectangle represents the factors.	↑ 3 → ↑ 4 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
Number Bond	Number bond uses a part- whole-part concept to present the relation between the 3 numbers.	part  1  Note the part of the	



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Tape Diagram	Tape diagrams show the relationship between two quantities.	12 000000 0000000 L S 6+6=12	
Rectangular Fraction Model	Rectangular Fraction Models help students see the relationship between fractions and help show equivalent fractions.	$\frac{1}{3} = \frac{2}{6}$ Example of a rectangular fraction model	
Parallel Lines	Two lines in a plane that do not intersect.	•	
Perpendicular	Two lines are <i>perpendicular</i> if they intersect, and any of the angles formed between the lines are 90° angles.	The law lines must conse of plan glass to each offer.	
Coordinate Plane	Plane spanned by the <i>x</i> -axis and <i>y</i> -axis in which the coordinates of a point are distances from the two perpendicular axes.	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	

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Quadrants	The four sections of the coordinate plane formed by the intersection of the axes.	QUADRANT 4 QUADRANT II 3 I 2 1 7 6 5 4 3 2 1 1 1 2 3 4 5 6 7 1 2 2 1 1 2 3 4 5 6 7 QUADRANT 3 QUADRANT III 4 IV 5 6 6 7	
Ordered Pair	Two quantities written in a given fixed order, usually written as $(x, y)$ .	Ordered Pair  (X, Y)  (X-value Y-value or or x-coordinate, y-coordinate)	
Angle	Union of two different rays sharing a common vertex.	Angle	